



Ø Beat

Pikes Peak Radio Amateur Association, Inc.
P.O. Box 16521
Colorado Springs, Colorado 80935



FIRST CLASS MAIL

Inside This Issue:

Amateur Classes Scheduled.....	Page 4
Board Meeting Minutes	Page 4
Christmas Party Flyer.....	Center
Membership Meeting Minutes.....	Page 3
President's Corner.....	Page 5
Treasurer's Report	Page 5

1 Renew before 03/31/00
RONALD DEUTSCH
NKØP
4305 RIDGELANE DR.
COLD, SPGS., CO 80918

Ø Beat

Pikes Peak Radio Amateur Association Officers and Directors

President:	Moe Pierce	WBØRTF	550-0406	wb0rtf@amsat.org
Vice-President:	Mike Anderson	WV7T	475-0906	wv7t@juno.com
Secretary:	Paula Gainer	KCØAGG	391-2567	hobbylady@hotmail.com
*Treasurer:	Rob Roller	N7LV	282-0204	n7lv@amsat.org
Ø Beat Editor:	Jeff Boyes	NØJLH	229-5703	n0jlh@qsl.net
*Past President:	Greg Tarcza	WA2OOD	597-7064	gregt@col.hp.com
*Board Member:	Bill Petty	NØNJX	532-1439	william.petty@lsil.com
*Board Member:	Les Borst	KCØNC	634-3995	kc0nc@kktv.com
Board Member:	Roger French	KBØRLF	598-9570	clutch_service@msn.com

*This Officer/Director is completing the second year of the two-year term to which they were elected.

The Ø Beat is published monthly in the interest of the members of the Pikes Peak Radio Amateur Association, Inc., PO Box 16521, Colorado Springs, Colorado 80935.

For membership and subscription information see the last page of this publication.

Monthly advertising rates: Full page, \$48; Half page, \$24; Quarter page, \$12; Business card, \$6.
Send your ad requests and payments to: PPRAA, PO Box 16521, Colorado Springs, Colorado 80935.

Check out the PPRAA site on the World Wide Web! Go to: <http://www.qsl.net/ppraa/>

Deadline for submission of articles or advertisements is the Monday following the Board Meeting.

Please send newsletter items directly to the Ø Beat Editor:

Phone: 229-5703 / Fax: 329-0301 / Email: n0jlh@qsl.net

Permission is granted to reprint articles provided credit is given to both the author and this publication.

License Exams

License examinations sponsored by the PPRAA are held at 9 AM on the 2nd Saturday of February, April, June, August, October, and December at:

Denver Technical College
225 South Union
Colorado Springs

Everyone is seated on a walk-in basis. Those wishing to take an exam should bring the following items:

1. \$6.35 (preferably a check/money order made out to ARRL/VEC) for any exam other than element 1A or 2.
2. Picture identification.
3. A copy of your current amateur radio license, and/or a copy of any examination credit you have, as well as the signed original. We keep the copies.
4. A pen, pencils, and a calculator if you need one.

If you have any questions, call Erik Mugele, KGØXE at 596-5345. Please do not call Denver Technical College.

Committee Chairpersons/Contacts

Activity	Pete Petry	WD4DHR	
Auditing			
Asset	Mike Stansberry	KØTER	636-1290
Historian	Jody Borst	KAØROZ	634-3995
Interference	Bill Petty	NØNJX	532-1439
Membership	Les Borst	KCØNC	634-3995
Programs	Jeff Boyes	NØJLH	229-5703
Publicity	Ron Deutsch	NKØP	593-8352
Public Service	Mike Stansberry	KØTER	636-1290
Swapfest '99	Bob Ryals	KHØGF	
Technical Instruction	Linda Hedges	KBØRKW	520-9238
VE Testing	Erik Mugele	KGØXE	596-5345
Ø Beat Editor	Jeff Boyes	NØJLH	229-5703

Other Organizational Liaisons

ARES Liaison	Mike Stansberry	KØTER	636-1290
CCARC Liaison	Ron Deutsch	NKØP	593-8352
RACES Liaison	Bryan Curl	NØLUF	575-8400

Reminder — General Membership Meeting

The next General Membership Meeting of the Pikes Peak Radio Amateur Association will be on the second Wednesday of this month at Mt. Calvary Lutheran Church, 1318 N. Circle Drive Blvd. The meeting will start at 7 PM.

**General Membership Meeting Minutes
November 11, 1998
Paula Gainer, KCØAGG, Secretary**

Moe WBØRTF, opened the meeting at 7:00 pm, followed by member introductions. For the Christmas Party on December 9, Pete WD4DHR will have three 20-pound turkeys, potatoes, gravy, and punch. Members should bring a side dish for the potluck. Contact Pete to coordinate side dishes. 594-1265(work) or 522-0429(home). The party and General meeting will be at Irving Middle School, 1702 N. Murray Blvd, at 7:00pm. Bring a can of food to receive a ticket for the door prize, which is a turkey. Bring poker cards from the year's activities for the \$100 prize. Also bring a ham-related ornament for the Christmas tree. Channel 5/30 may do a hear warming story of the club talking on the radio to help raise donations for the less fortunate of our community. George WBØDUM thanked all for the sympathy card, and also mentioned his brother had just died of cancer. The club will send a sympathy card to George. The club also sent a card and rose to Sue, XYL of Tom W2TJQ, who recently underwent open-heart surgery. Jon KCØEGK will work with Mike KØTER to determine communications needs for the alcohol-free party on New Years Eve. Sid K4ARM mentioned that Tech America has a portable 12 volt power supply on sale, which coincided with the Monday Elmer Net talk on emergency power. Mike WV7T said we were mentioned in the November World Radio magazine on page 26. He's also formed a new club, the Rocky Mountain Navy Amateur Radio Club, whose only purpose is amateur radio recruiting. Dave NØEOP took orders for the 1999 CD-ROM Call Book at \$29.47 ea. Historian Jody KAØROZ brought pictures and asked members to help identify the persons in the picture and the event. Jeff NØJLH is looking for ways to improve the Ø-Beat. He reminded all to submit articles in any form. He also stepped down as Program chairperson. He has programs lined up thru April. Any volunteers for this position? Programs are: December-Christmas party; January-home-brew night; February-Frank McNally will talk about classes; March and April tentative. Greg WA2OOD noted corrections to last month's minutes. Minutes accepted as amended. Corrections

were: George's call sign should have been WBØDUM; also Christmas gifts should be Christmas guests.

Treasurer's Report: October income was \$144.54, Expenses totaled 506.85 including a \$100.00 donation to church. Swapfest: Motion passed to spend up to \$1,000 on raffle prizes. The application for the 501©(3) is nearly complete.

Assets: Mike KØTER, Les KCØNC and Rob N7LV did club inventory. Only four items they can't locate, but likely in Mike's garage. Still missing 70ft of coax cable from Field Day with the number 0047 on it. Check your own supplies.

Technical Instruction: Linda KBØRKW said the Tesla Society has closed its doors and we can't hold classes there any more. Novice/Tech classes start January 12, 1999, Tuesday/Thursday at 7:00pm to 9:00pm for 10 weeks. Will be at the OEM, 305 S. Union Boulevard. Frank McNally will be the instructor, contact him at 596-8733 or e-mail at warm.fuzzy@bigfoot.com.

VE Testing: Rick KØSU said that only five people took the test at the last session. The next VE test session will be December 12 at the Denver Tech College. Contact Eric KGØXE for additional information.

No new or old business. The November Board meeting will be held at the QTH of Paula Gainer in Widefield.

The Hammy: The Board, on behalf of Rex Blaine, awarded Hammy to Dan Scott KBØPPM for hard work with JOTA for the scouts. He spent half a year planning for this event.

Programs: Rick KØSU gave a very informative program on QSLing and awards that we can receive being ham operators. For incoming bureau there was no need to be an ARRL member, but for the outgoing bureau you do need to be an ARRL member. He gave the club a challenge. He called it Challenge WAS 1999 and members need to get contacts from January 1, 1999 through Dec 31, 1999. You must be a PPRAA member. Give QSL's to Rick and or a board member.

Pikes Peak Radio Amateur Association

There would be prizes, fame and fortune. Any bands even satellite, digital satellite, real time QSL's

The meeting ended at 8:56 Local.

Sincere Thanks and Gratitude go to Rob N7LV in assisting me to format this document.

Submitted by Paula Gainer KC0AGG Secretary

Board Meeting Minutes November 16, 1998 Paula Gainer, KC0AGG, Secretary

Attending Members were: Moe WB0RTF, Mike WV7T, Paula KC0AGG, Rob N7LV, Greg WA2OOD, Bill N0NJX, Roger KB0RLF, Bill KD0JU, and Rhoda KB2BZY

Moe WB0RTF called the meeting to order at 7:05pm. Introductions were given. She talked about the Christmas party and mentioned for members and guests to come early and socialize. The party will be from 7:00pm until 9:00pm. The doors of the school will open at 6:30pm.

Paula KC0AGG up-dated the ARRL web page form. Sympathy Cards have been sent to George and Rob. A baby congratulation card was sent to Bob Ryals and family.

Congratulations to Bob Ryals on the new baby born on November 9, 1998.

Bill N0NJX is working with Melinda KB0UVG to resolve an interference problem.

Rob N7LV coordinated with Paula to help shorten the minutes. For the swapfest, Bob Ryals has organized group leaders. Money has been approved for prizes. A request for rental facility site at Doherty High School should be set in a day or so. Swapfest planning meetings will continue every second Saturday of every month at 9:00am through April, at the Colorado Springs Police station Falcon Sub-station.

Greg WA2OOD said that \$400.00 had been approved for the Christmas party and we are not even close to spending that right now. So we should be under what we approved. A total of \$22.00 spent on 60lbs of turkey and trays to put them on. The \$100.00 prize for activities will be will be awarded at the Christmas Party.

The next Board meeting will be at the QTH of Greg WA2OOD.

The meeting ended at 7:56pm local.

Submitted by Paula Gainer KC0AGG Secretary

John Max, President
Colorado Springs Wintronic Co.
Wholesale Distributors
Electronic Parts, Supplies, and Equipment
2838 N. Prospect St
Colorado Springs, Co 80907
Telephone: (719)636-1661
Fax: (719)636-1663

Amateur Radio Classes Scheduled (Note: New Location) Linda Hedges, KB0RKW

Since the closure of the International Tesla Society the annual Novice/Technician Classes will be held at a new location: The Office Of Emergency Management, 305 S. Union Blvd, Colorado Springs, Colorado - This location is directly across the street from the South end of Memorial Park.

Classes are scheduled to start on Tuesday, Jan 12, and end on Thursday Mar 18, 1999.

This years' award-winning instructor Frank McNally, KF0WF, will hold the classes on Tuesday and Thursday evenings from 7-9 PM.

As with all the classes preregistration would be appreciated. Contact Frank, KF0WF, at (719)596-8733 or Email at warm.fuzzy@bigfoot.com, or Linda, KB0RKW, at (719)632-5482 (leave message) or

(719)473-8761 after 7 PM or Email
kb0rkw@juno.com on or before January 4th, 1999.

Once again these award winning classes will cover both the Rules and Regulations as well as the Electronic Theory needed to pass the Novice/ Technician FCC Amateur Radio Examination Elements. The classes are open to all age groups. The text that will be used will be "Now You're Talking" and can be purchased at the first class for a cost of \$19.00. Testing will now cost approximately \$6.75.

In order to keep the ham community alive and active, everyone is encouraged to add at least one new ham to our community. This might be the perfect opportunity to do just that. Spread the word about the classes and encourage at least one person to attend and become a new ham.

If you are a late Christmas shopper and are at a loss for what to give someone, may I suggest that these classes might be the perfect gift?

Merry Christmas and a Happy New Year to all!

73, Linda K. Hedges, KB0RKW
PPRAA Technical Instruction Liaison

Treasurer's Report For Period Ending November 30, 1998 Rob Roller, N7LV

For period 10/1/98 thru 10/31/98:

Income-Expenses=Gain/(Loss)
\$144.54 - \$506.85 = (\$362.31)
Contact me if you want more details.

501(c)(3): At the last meeting one of our newest members Kate Ellis KC0EGJ volunteered to help me wrap up the application, as she's done some of these before. Thanks, Kate! By the time you read this, it should be ready to go!

Raffle: Bob Ryals is the swapfest chair, so I'll defer to him for the details on the swapfest. The raffle license application is ready to go except for our contract with

Doherty. Gotta have a date & place locked in before I can apply. Once we get that locked in we'll get the raffle license application out the door. Then we'll get the license, the prizes, the tickets printed, and maybe have them by the Christmas party. See you at the next planning meeting: 0900 on Dec 5 at the CSPD, 7850 Goddard St.

Misc: Where would we be without Rosie? Great of her to pitch in for Pete who had to leave suddenly. She singlehandedly phoned all club members to personally invite them to the Christmas party. Not that we didn't want to help, but she insisted, because she likes to talk to everyone! Thanks, Rosie!

Miley's Radio

Jess, KØTAA

719 W. 7th St.

Florence, Colorado 81226

(719) 784-3040

All brands of new, used, and consignments.

We trade, and give you top trade-in price.
We buy used ham equipment.

President's Corner Moe Pierce, WBØRTF

Another month has gone by almost. Our general meeting went quite well as did the board meeting last Monday night. I want to thank Paula, KC0AGG for hosting the board meeting and also for sending the get well cards and wishes to those who have needed it this month.

At our meeting two weeks ago for November, we had a good program given by Rick, K0SU on QSLs. If you have announcements, please let me or someone else on the board know before the meeting if possible. In this way, we don't incorporate the announcements along with the committee reports, and maybe the business part of our meeting will be a bit shorter.

Please don't forget the Christmas party that we will be having on Wednesday, December 9 which will be

Pikes Peak Radio Amateur Association

at Irving Middle School, 217 N. Murray in the cafeteria. We are all looking forward to the party.

By the time you get this, Thanksgiving will have already passed. I hope everyone had a great Thanksgiving.

73,

Moe Pierce, WB0RTF

Don't forget:

Some **nets** in Colorado Springs are using Universal Coordinated Time (UTC.) This means that those net times **have changed**.

See the Net schedule on the last page for more information!

Dits And Bits

For Sale:

Collins KWM2	\$500.00
Collins 30L1 Amp.	\$500.00
Or buy both for	\$900.00
Yaesu FT-11 2Mtr with 4.5v battery, Mike, Wall	
Charger, Mobile Charger for 5 Watt	\$175.00
George, WB0DUM	

For Sale:

Kenwood 830 Transceiver, with extras.
John, N0VBM. Phone 550-1489

25 ft. steel tower	\$125.00
Cushcraft AR10 vertical with 20ft pole	\$65.00
Bruce, KG0LH. 536-0910 or bkliche@asi-tech.com	

Radio Shack HTX-202 with NiCad Battery Pack, AA Battery Pack, and AC and DC Power cords	\$125.00
IC-ZIA Dual Band HT with detachable face remote mic, 2 batteries, and AC Power Charger	\$225.00
Garmin 45XL GPS	\$200.00

Will talk about any offers.

Rick, KB0SWR
work - 590-2184
home - 495-2169
e-mail - rickd@col.hp.com

Yaesu 530 Dual Band HT with 2 seven watt batteries, quick charger, lapel mic, and manual	\$100.00
Kenwood TH-28 (2-Meter) HT, with charger and manual.	\$90.00
Make offer. Jim, KG0AE, 392-5675	

Like New Vectronics 2Kw antenna tuner. High current roller inductor with turns counter, SSB bargraph analyzer, Cross needle SWR/Power meter, 6 position antenna switch, and built in balun.
\$300.00
KORI, Larry Lewis, 495-4899

Drake TR7 Transceiver
Drake PS 7 Power supply with desk microphone and hand mic- and manuals \$650.00 or best offer

Heathkit Linear amplifier SB 220 with kit assembly manual \$450.00 or best offer

Drake 700 OE-Communication terminal. Rx/Tx morse code, RTTY, and ASCII. With manual.
\$200.00 or best offer.

BK-10 MHZ, Triggered sweep dual trace oscilloscope w/manual \$175.00 or best offer.

Elmer Schladwein WA0WJY Phone 471-7328



12 Store Buying Power

8400 East Iliff, Unit 9, Denver, Colorado 80231

(303)745-7373

(800)444-9476

24 hour FAX order line: (303)745-7394

Joe, KD0GA	Dean, AC0S
John, N5EHP	John, KF0PQ



PPRAA Christmas Party...

Wednesday, December 9th, 1998

7:00 p.m. until...??:??

We'll provide the Turkey, Dressing, Mashed Potatoes & Gravy
(We'll even throw in some Holiday Punch!)

* Would YOU bring your favorite side dish to share ?

* Bring your family...Bring your Guests...

=====

***Bring a can of food and get an extra door prize ticket!

=====

Just come to Washington Irving Middle School

1702 Murray Blvd.

(Just below Constitution on the West side of Murray)

1999 Worked All States Challenge

Rick Brown, K0SU

In order to promote HF operation I am challenging the members of the PPRAA to work and confirm all states in 1999. The idea here is to have some fun and get on the air. There will be two separate awards, one for the Novice/Tech class and one for General and above. In order to keep it simple there are very few rules.

1. All contacts are to be 1 Jan 1999 or later.
2. Any authorized amateur band or mode may be used.
3. Contacts must be two way real time contacts.
4. Contacts must be confirmed in writing (QSL cards are best).

The award will be a plaque for each category and fame and fortune. Well, at least publication in 0 Beat. If participation warrants it I will provide runner up certificates as well. I have declared myself ineligible for any award, but I will be trying this also to see how long it takes me.

Remember, to quote some of my QRP friends, "If it ain't fun, you aren't doing it right."

73 and good luck,

Rick

Colorado Connection Christmas Dinner

December 5th 6:00 PM at the Country Buffet at I-470 and Quebec.

There will be a small gift exchange if you want to join in. Make the gift around \$5.00 or under and non ham related. All presents go on a table and you get a number, when your number is picked you choose a present from the table or someone else. It gets to be a lot of fun.

Got any newsworthy items for QST's Section News? Contact Jeff Ryan N0WPA, our Assistant Section Manager, via e-mail at jeff.ryan@mci.com, or phone at 260-6826.

VE Test Fees to Rise in January

Effective January 1, 1999, the FCC is raising the maximum test reimbursement that can be collected by VEs to \$6.49. Since the PPRAA VE team is an ARRL team, we'll charge \$6.45 at our test sessions, which is the amount set by the ARRL, and a 10-cent increase over 1998 fees. Also, some time in late 1998 or more likely early 1999, the FCC will no longer be using the good ol' Form 610 for amateur licenses, but will be instituting the new ULS, or Universal Licensing System. The new FCC Form 605 will be used for not only amateur licenses, but for ship, aircraft, commercial and GMRS licenses.

Need to get in touch with someone in the Pueblo Ham Club? They now have a web page at www.geocities.com/Athens/Forum/3843/phc.html



LUNCH BUNCH

The Lunch Bunch Christmas party will be at Hometown Buffet on December 10th from 11:30 am to 1:30pm. Please bring a gift, wrapped for a man or a woman worth at least \$3.00. See you there!

73, Ginger, N0UOD

Christmas Party Update Rosie Callaway, WA0MNL

Things are shaping up for the Party. A lot of people have said they are coming and the menu looks real tasty. This is the season of sharing and there will be a collection of food for the less fortunate and this will get you another free door prize ticket in addition to the door prize ticket that everyone will get... Sounds good doesn't it? There will be a tree and anyone that wants to can add to the decorations by bringing something to hang on the tree. Ham related items are suggested but anything is welcome. When

Pikes Peak Radio Amateur Association

you leave you can take the item with you or they will be saved for another time.

Coffee...The coffee pot we used at the November meeting was donated by KE0WC, Don and Mary Chatelain. We thank them as well as the people who put a donation in the coffee can to help defray the cost of coffee and snacks. I will be furnishing coffee and snacks as long as we break even on the cost. 73, KBOFNM, Russ....

A worthy cause...Please save cancelled postage stamps...just cut or tear a area around the stamp. Also needed are greeting cards you may receive: cut off any personal message and the rest of the card is used in a hospital for patients to use in crafts. This applies to all occasion cards as well as Christmas. Lets make this an on going project. I will be happy to see that the stamps and cards are delivered WA0MNL, Rosie. Bring them to a meeting or give me a phone call for pick up at 471-9965 TNX

Fox Hunt - May 17, 1998 Dave Kurth, N0UVR

I wanted to make this a "simple" foxhunt. By simple, I had hoped to get out east of town, away from the foothills and mountains, and onto the "plains". The place I first picked was Rattlesnake Butte, which was about 3 miles north of Peyton. When I got to the area, I found that the Butte was high, but there was no way to get to its top. The area in front of the Butte was below a ridge to the southwest that blocked any hope of line-of-site back to town.

So I made a call back to the hunters and said that I'd have to find a different location. So I headed southwest, in the direction of town. Since few of the roads out in that area go through, I kept getting stuck on dead-ends trying to make my way to the top of the ridge. I finally got stuck on a road that was a circle, and then parked on a dead-end off of that.

My final location was on Juneberry Lane, just off of Arrowgrass Loop. If you can't find those roads about 4 miles north of Falcon, don't feel bad. Two of the maps I had didn't have them shown either. The actual

location was 38 59 16N and 104 37 58W at an elevation of 7326 feet. Plotting that on a map shows that I was 9.54 miles from the starting point at Radio Shack near Austin Bluffs and Academy on a bearing of 45.24 degrees. According to my Street Atlas program, the shortest driving distance to my location is 12.9 miles.

The day turned out to be really nice. The temperature was around 80 degrees, and there was a nice breeze to keep me (and the hunters) cool. The foxhunt began shortly after 2PM due to the time it took me to find my hiding location. The hunters were Les KCONC with his wife Jody KA0ROZ, Jeff N0JLH and his wife Renay KA0ROY, Doug WB0MHP and his wife Cheri, Greg WA2OOD, and John KB0VGX. John was "unofficial", and started from his home on the south side of Colorado Springs. I wanted this to be a "easy" foxhunt, and I hoped that by starting out away from the mountains and foothills, reflections would be minimized. I also started everybody out with the same hint: that I was east of the starting point. I was hoping that if anybody got bearings to the west, they would ignore them and head east anyway.

After about an hour of letting the hunters sniff me out, I gave another hint that I was also north of the starting point. I hoped that everybody had already figured that out, but I wanted to make sure that nobody got side tracked.

About 10 minutes before 4:00, Doug WB0MHP drove up. He had a mileage of 18.7 miles, which was a pretty direct route. Doug uses a 3 element beam antenna with an attenuator, and employs an Armstrong rotor (his wife Cheri). Doug thought I was at either Chris Fox's (KB0MMV) house or Falcon High School. As he drove by Chris's house, he realized his beam was pointing towards the high school. As he drove south to the get to the high school, the next transmission by me had his antenna pointed west and not south. So he turned on Arrowgrass Loop and "stumbled" across me.

As we discussed his adventure, Greg WA2OOD showed up around 4:10pm. Greg uses a doppler shift method of direction finding. He has four antennas on his roof, and electronically "rotates" them. He has a

box inside his car that displays an arrow that points toward the signal source. So he can just keep driving and following the arrow. Greg's mileage was 65 miles. His first problem was hearing enough signal to start. So he began by going west on Woodmen to get up high enough to achieve line-of-sight. When he got a good bearing, he headed north to try and get a second bearing to determine how far east I was. Greg also realized at the end of the hunt, he had a 20 degree offset in his system that he wasn't aware of at the beginning of the hunt. The result was a lot of driving.

Les KC0NC and Jeff N0JLH both arrived around 4:38pm. They arrived in my vicinity about the same time, so Jeff took the south side of Arrowgrass Loop, and Les took the north side. They both saw me about the same time. Les uses a two element quad antenna which he mounts in the bed of his pick-up truck. He modified a 120VAC TV antenna rotor to run on 12 volts, and has a display inside the cab. So he can turn his antenna and see its direction without moving from the cab of his truck.

A couple of minutes later, John KB0VGX arrived. John was using the time-of-arrival circuit that Rick and Ron (K0SU and N0KP) are getting together as a PPRAA club project. His mileage was high, but mostly because he started from his house way south of the official starting point.

The final results are shown below. In order to encourage new hunters to give this a try, I stated that rookies would have their mileage divided by 2. This would allow some forgiveness for chasing reflections and dead-ends.

Hunter	Mileage	Rookie Factor	Score
N0JLH	21.1	0.5	10.6
WB0MHP	18.7	1	18.7
KB0VGX	45.0	0.5	21.1
KC0NC	28.6	1	28.6
WA2OOD	65.8	1	65.8

The winner was Jeff N0JLH. Congratulations Jeff. Jeff will be the next fox. The next hunt is scheduled for June 14, but Jeff will announce a date when his schedule allows.

A number of us met at Charles Pit-Bar-B-Que to do the final analysis of the foxhunt. I believe a good time was had by all.

Dave Kurth N0UVR

Notes From YOUR Program Chairman Jeff Boyes, N0JLH

I'd like to thank Rick Brown, K0SU for last month's program. This month, there will be no program, as the Annual Christmas Party is scheduled on the regular meeting night. (See the flyer in the center of this issue.) January is Homebrew Night. Get busy on those projects! February and March are 'under contract.' I'll let you know when the deals are finalized.

Speaking of contracts...As some of you know by now, Renay, Cassie, and I moved to another antenna farm this month (yes, there is a new house there also.) It is very late as I type this column, the night before I have to go to the printer. I hope you will bear with me if you see any 'obvious' errors.

73,

Jeff

This space should have been yours. Please consider contributing a short article!



Remember, this is **our** newsletter!
Contact the editor with your suggestions!

Pikes Peak Radio Amateur Association

Calendar of Upcoming Events

December 9: Annual Christmas Party.
December 12: VE Testing session.
January 13: General Membership Meeting.
January 17: Foxhunt.
January 18: Board Meeting.

February 10: General Membership Meeting.
February 14: Foxhunt.
February 15: Board Meeting.

Are there any items you want listed here? Contact the editor. After all, this IS your newsletter.

When you buy from a *Q* Beat advertiser, let them know where you saw their ad!

Nets Heard in Colorado Springs

PPRAA Simplex	146.58	Thursday	7:00 PM
CO High Noon	7240	Daily	12 Noon
CO Columbine	3989	Daily	7:00 PM
Southern CO Traffic	146.97-	Daily	8:00 PM
State ARES HF	3928	Sundays	8:00 AM
State ARES VHF	145.13-	Sundays	8:30 AM
Colo Repeater Assn	145.16-	Sundays	9:00 AM
State RACES	3990.5	Sundays	6:00 PM
El Paso RACES	3990.5	Sundays	follows
El Paso HF Rndtable	28.385	Sundays	follows
PPFMA	146.97-	Sundays	8:30 PM
State ARES 2M SSB	144.22	Mondays	7:00 PM
Elmer Net	146.97-	Mondays	7:30 PM
PPARES	146.97-	Tuesdays	7:00 PM
EPC RACES	147.345+	Tuesdays	7:30 PM
MARA	147.48	Tuesdays	8:30 PM
Park County Club	146.82-	Tuesdays	8:30 PM
ARES Dist 24	145.16-	Thursdays	8:00 PM
CMRG Info	147.345+	Thursdays	9:00 PM

Membership Application - Pikes Peak Radio Amateur Association, Inc.

P O. Box 16521, Colorado Springs, Colorado 80935

Date: _____ ☐ New Membership ☐ Renewal

Name _____

Address _____

City _____ State _____ Zip _____

Call _____ License Class _____ Telephone _____

Email address: _____

Are you an ARRL member? ☐ Yes ☐ No

One year membership rates, starting the month you receive your first issue:

☐ Full Member - \$15.00	☐ Family Membership (same address) - \$18.00
☐ Full Member over 65 - \$10.00	☐ Family Membership (both over 65) - \$12.00
☐ Associate Member - \$12.00	☐ Newsletter only \$12.00

Additional Name: _____ Call _____ Class _____

Additional Name: _____ Call _____ Class _____

Please check activities for which you would volunteer:

☐ Field Day or similar activity
☐ Radio demonstrations
☐ On-Air Nets/Roundtables
☐ Teach potential hams about ham radio

Your Interests

☐ HF	☐ VHF/UHF
☐ FM	☐ SSB
☐ Digital	☐ DX
☐ Contests	☐ Technical
☐ Hardware	☐ _____
☐ _____	☐ _____
☐ _____	☐ _____
☐ _____	☐ _____
☐ _____	☐ _____
☐ _____	☐ _____

Please Note: You must submit a completed application form along with your check to the Treasurer for both new members as well as renewals. Thank you.

PLEASE TYPE OR PRINT CLEARLY!